



METROPOLITAN
TRANSPORTATION
COMMISSION

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Memorandum

TO: Operations Committee

DATE: June 4, 2010

FR: Executive Director

W.I. 1234

RE: Program for Arterial System Synchronization Actions:

(i) FY 2010-11 Cycle of Projects

(ii) Contracts: Kimley-Horn & Associates (\$400,000), TJKM Transportation Consultants (\$360,000), and URS Corporation (\$320,000)

Background

The Program for Arterial System Synchronization (PASS) replaces the Regional Signal Timing Program (RSTP). The purpose of the PASS is to provide technical and financial assistance to Bay Area agencies to improve the safety and efficiency of the operations of certain traffic signal systems/corridors. The program is guided by the Arterial Operations Committee, which is comprised of technical staff from cities and counties. The Transportation 2035 Plan provides approximately \$1.25 million per year in CMAQ funds for traffic signal coordination. The PASS provides traffic engineering assistance to local jurisdictions in retiming their traffic signals, including transit signal priority, incident management flush plans, traffic responsive timing plans, and establishing communication between state and local signals. The projects typically include the following elements: 1) analysis of existing conditions, including conducting new traffic counts and performing travel time and delay studies, 2) development of recommended timing plans based on the assessment of existing conditions, 3) implementation of the approved timing plans, and 4) evaluation of the project signal timing benefits. Projects are defined by local agencies, evaluated by MTC staff, and assigned to consultants retained by MTC. Under this regional program, technical assistance and financial support will be focused on traffic signal system projects that:

- Interact with freeways and state highways;
- Involve traffic signals from multiple jurisdictions;
- Operate on corridors with established regional significance;
- Provide priority for transit vehicles; and/or
- Have been developed in conjunction with other regional programs.

i) FY 2010-11 Cycle of Projects

The Call for Projects for the FY 2010/11 Cycle was released on March 2, 2010. MTC received 16 applications totaling 612 traffic signals in seven counties. MTC staff, in partnership with Caltrans, formed a review panel and all of the applications were reviewed for their adherence to the following goals and objectives of the program:

- Coordinate local and state-owned signal systems, and retime signal systems in response to changes to the state-owned system.
- Establish and maintain communications between systems owned by Caltrans and local agencies.
- Retime traffic signal systems to support priority for transit vehicles and other regional programs, such as safe routes to schools/transit, smart corridors, and incident management.

The review panel recommends the approval of 13 projects consisting of 342 signals for the FY 2010/11 Cycle of the PASS as listed in Attachment 1: Program for Arterial System Synchronization – FY 2010-11 Cycle Projects.

ii) Contracts: Kimley-Horn & Associates (\$400,000), TJKM Transportation Consultants (\$360,000), and URS Corporation (\$320,000)

MTC released a Request for Qualifications to select consultants for the FY 2010/11 cycle of the program on March 18, 2010, with a due date for Statements of Qualifications (SOQs) of April 7, 2010. MTC received SOQs from seven consulting firms: 1) DKS Associates, Oakland, CA; 2) Fehr & Peers Transportation Consultants, Walnut Creek, CA; 3) Iteris, Inc., Santa Ana, CA; 4) Kimley-Horn and Associates, Inc., Pleasanton, CA; 5) Minagar & Associates, Inc., Irvine, CA; 6) TJKM Transportation Consultants, Pleasanton, CA; and 7) URS Corporation, San Jose, CA. All proposals, except Minagar & Associates, Inc., met the minimum consultant qualifications. MTC staff, in partnership with Caltrans, formed an evaluation panel and reviewed the remaining SOQs using the following criteria:

- The firm's depth of resources and availability of qualified staff assigned to this program.
- Project manager and proposed team's demonstrated ability to provide technical assistance in traffic signal analysis and operation.
- Project manager and proposed team's ability in adhering to established standards, public safety requirements, and accommodating the needs of other users of arterials.
- Project manager and proposed team's specialized expertise and experience in transit signal priority, incident management, and smart corridors.
- Communication skills and written presentations.

After evaluation of the written SOQs, the panel selected five consulting firms for interviews which were held on April 20, 2010. Following the interviews, the panel recommended the following three firms for the PASS: 1) Kimley-Horn & Associates, 2) TJKM Transportation Consultants, and 3) URS Corporation.

Recommendation

Staff recommends that the committee approve the 13 projects as listed in Attachment 1 for the 2010/11 Cycle of the PASS. Staff also recommends that this Committee authorize the Executive Director or his designee to negotiate and enter into contracts with Kimley-Horn & Associates (\$400,000); TJKM Transportation Consultants (\$360,000); and URS Corporation (\$320,000) to provide technical assistance for the program. Staff will use the remaining \$170,000 of the \$1.25 million as a contingency reserve for the FY 2010-11 Cycle of the PASS.

Steve Heminger

SH: VT

Attachment 1

Program for Arterial System Synchronization – FY 2010-11 Cycle Projects

#	County	Sponsor Agencies	# of Project Signals	Total Project Budget ¹	
1	SCL	Santa Clara County	86	\$219,300	
2	ALA	Livermore	19	\$94,500	
3	ALA	San Leandro, Caltrans	9	\$23,850	
4	ALA	Fremont, Caltrans	8	\$30,400	
5	SM	Redwood City, Caltrans	8	\$19,600	
6	Napa	Napa, Caltrans	32	\$117,225	
7	SM	South San Francisco, Caltrans	8	\$20,400	
8	SO	Santa Rosa, Caltrans	30	\$105,200	
9	SO	Petaluma, Caltrans	12	\$40,600	
10	ALA	Union City, Hayward, Caltrans	18	\$52,300	
11	SOL	Fairfield, Caltrans	21	\$62,850	
12	ALA	Alameda, Caltrans	4	\$10,200	
13	CC	Walnut Creek, CC County, Pleasant Hill, Caltrans	87	\$283,575	
				Contingency Reserve	\$170,000
			TOTAL	342	\$1,250,000

¹ Includes estimates for basic signal coordination, additional services, funding agreements, etc.

REQUEST FOR COMMITTEE APPROVAL

Summary of Proposed Contract

Work Item No.: 1234

Contractors: Kimley-Horn and Associates, Inc. (Pleasanton, CA)
TJKM Transportation Consultants (Pleasanton, CA)
URS Corporation (San Jose, CA)

Work Project Title: Program for Arterial System Synchronization

Purpose of Project: To provide traffic engineering assistance and expertise to local jurisdictions in retiming their traffic signals

Brief Scope of Work: To provide assistance with the analysis of existing conditions, including collection of new traffic counts and performing travel time and delay studies; development of recommended timing plans; implementation of approved timing plans; and evaluation of the benefits of the projects

Project Cost: \$400,000 - Kimley-Horn & Associates
\$360,000 - TJKM Transportation Consultants
\$320,000 - URS Corporation

Funding Source: CMAQ

Fiscal Impact: Included in the FY 2010-11 Budget

Motion by Committee: That the Executive Director or his designee is authorized to negotiate and enter into contracts with Kimley-Horn & Associates (\$400,000); TJKM Transportation Consultants (\$360,000); and URS Corporation (\$320,000) to provide traffic engineering assistance and expertise to Bay Area jurisdictions and the Chief Financial Officer is authorized to set aside funds for such contracts in the amount of \$1,080,000.

MTC Operations Committee: Approved: _____
Amy Rein Worth, Chair

Approved: Date: June 11, 2010